Liquid Gasket Adhesion Promoter
Formed-in-Place Gasket Sealing

The sealing of engines, transmissions, and axles using liquid gaskets has long been used in the powertrain industry. It is a proven, high-quality, low-cost alternative to molded rubber gaskets.

Challenges
However, a key variable to the bonding success of liquid gaskets is part cleanliness. This can be challenging due to the high number of different chemical cleaners, process concentrations, water types, and other variables used by various manufacturers. This leads to residual contamination being left on parts, thus affecting a consistent bond of the liquid gasket to the parts.

Solutions
Henkel's BONDERITE® water-based, chrome-free conversion coatings chemically convert metal surfaces, dramatically enhancing adhesion of formed-in-place liquid gaskets.

Products are available for the following substrates:
- BONDERITE® M-NT 5700™ for light metals
- BONDERITE® M-NT 1455™ for light metals and steel

These coatings are available in convenient, ready-to-use packaging configurations:
- Application pens
- Pre-saturated wipes
- Bulk containers for automated dispensing
Proven Performance

Henkel’s BONDERITE® thin film conversion coatings prove to be a very effective surface treatment on aluminum, steel, or compacted graphite iron, providing a surface that increases liquid gasket adhesion up to 4 times.

The enhanced adhesion performance for BONDERITE® M-NT 5700™ is shown below.

Benefits include:

- Easy-to-use with no diluting or rinsing necessary
- RCRA exempt material allows for easy disposal
- Dramatically improves bond strength of adhesives